

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("3418215").PN.	USPAT; USOCR	OR	OFF	2007/01/17 10:06
S2	5	dixon.in. and wasserscheid.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/17 10:13
S3	5	woodard.in. and ewert.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/18 10:40
S4	1	("5689028").PN.	USPAT; USOCR	OR	OFF	2007/01/17 10:28
S5	1	("5750816").PN.	USPAT; USOCR	OR	OFF	2007/01/17 10:28
S6	17378	oligomerization or oligomerisation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:42
S7	1511378	solvent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:43
S8	462569	reactor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:43
S9	772493	ethylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:43
S10	43500	hexene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:43
S11	138353	effluent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:43

## EAST Search History

S12	969549	catalyst	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:43
S13	258	S6 and S7 and S8 and S9 and S10 and S11 and S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:44
S14	92	S13 and oligomer\$9.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:57
S15	1248	422/131	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:45
S16	970	422/131.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:45
S17	928	585/512,809.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:46
S18	568	202/152,154,156.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:46
S19	0	S14 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:47
S20	8	S14 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:47
S21	0	S14 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:47

## EAST Search History

S22	21063	ethylene and hexene and catalyst and solvent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:58
S23	1527	S22 and reactor and effluent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 14:58
S24	92	S23 and oligomer\$9.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 15:01
S25	139	separat\$5 and oligomer\$9 and reactor and distill\$7 and hexene and ethylene and chromium and catalyst and effluent and solvent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 15:03
S26	63	S25 and "585"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 15:22
S27	17	liquid with feed\$4 with reactor with column with first with second with product	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 15:35
S28	0	liquid with vapor with feed\$4 with reactor with column with between with solvent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 15:36
S29	10	liquid with vapor with feed\$4 with reactor with column with between	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 15:40
S30	1	("6828269").PN.	USPAT; USOCR	OR	OFF	2007/01/17 15:52
S31	1	("6515193").PN.	USPAT; USOCR	OR	OFF	2007/01/17 15:52
S32	1	("6580009").PN.	USPAT; USOCR	OR	OFF	2007/01/17 16:07
S33	1	("6441252").PN.	USPAT; USOCR	OR	OFF	2007/01/17 16:08

## EAST Search History

S34	470	oligomer\$9 and (reactive with distillation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 16:09
S35	105	S34 and hexene and ethylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/17 16:09
S36	32	Petlyuk same column	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 08:54
S37	14	("1549236"   "1782287"   "1885059"   "5339648"   "5970742"   "6106674").PN. OR ("6347533").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/18 10:00
S38	1	("6344594").PN.	USPAT; USOCR	OR	OFF	2007/01/18 10:07
S39	9	(reactive adj distillation) and (thermally adj coupled)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 10:07
S40	267	flash with pressure with ethylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/18 10:41
S41	48	S40 and "585"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/01/18 11:06
S42	66	flash\$5 with pressure with ethylene with vaporiz\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 11:10
S43	6845875	S42 and reduce\$3 or lower\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/18 11:10
S44	2	("3418215").PN.	USPAT; USOCR	OR	OFF	2007/10/03 12:35
S45	1	("20050197521").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/03 12:35

## EAST Search History

S46	168	202/152.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/24 15:00
S47	940	585/512,809.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/24 15:00
S48	254	((polymerizat\$ or oligomerizat\$) with effluent).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/24 15:01
S49	0	S46 and S48	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/24 15:01
S50	5	S47 and S48	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/24 15:02